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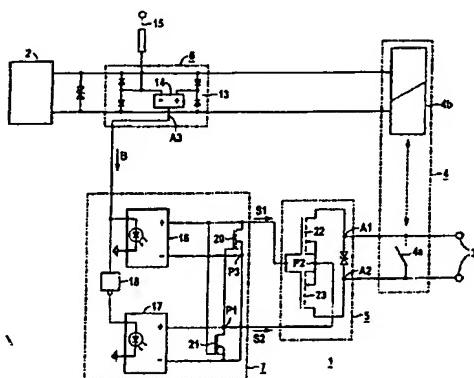
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations CN, IN, European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR)
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As printed

(54) Title: ELECTRICAL CIRCUIT COMPRISING AN ELECTROMAGNETIC RELAY AND A SWITCHING ARRANGEMENT WHICH IS MOUNTED IN PARALLEL TO A CONTACT OF THE ELECTROMAGNETIC RELAY

(54) Bezeichnung: ELEKTRISCHE SCHALTANORDNUNG MIT EINM ELEKTROMAGNETISCHEN RELAIS UND EINER ZU EINEM KONTAKT DES ELEKTROMAGNETISCHEN RELAIS PARALLEL ANGEORDNETEN SCHALTEINRICHTUNG



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(57) Abstract: The invention relates to an electrical circuit (1) comprising an electromagnetic relay (4) and a switching arrangement (5), the outputs (A1, A2) of said switching arrangement being mounted in parallel to a contact (4a) of the electromagnetic relay (4). A control system (2) is connected to the coil (4b) of the relay (4) and the switching arrangement (5). The aim of the invention is to create one such circuit in a relatively interference-free manner. To this end, a voltage detection unit (6) is arranged between the control system (2) and the coil (4b). A first switching signal (S1) is produced, at a switching-on command, by means of a control unit (7) which is arranged downstream from the voltage detection device (6), said signal short-circuiting the outputs (A1, A2) of the switching arrangement (5). At the end of the switching-on command, the outputs (A1, A2) of the switching arrangement (5) remain short-circuited until the contact (4a) of the relay (4) is opened. In the absence of a switching-on command, a second switching signal (S2) is produced by means of the voltage detection device (6) and the control unit (7), eliminating the short-circuiting of the outputs (A1, A2) of the switching arrangement (5).

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